Public Information Meeting

Metro-North Railroad Bridge over the Saugatuck River, Westport State Project No. 301-0040

Rehabilitation of the Saga Bridge in Westport, CT

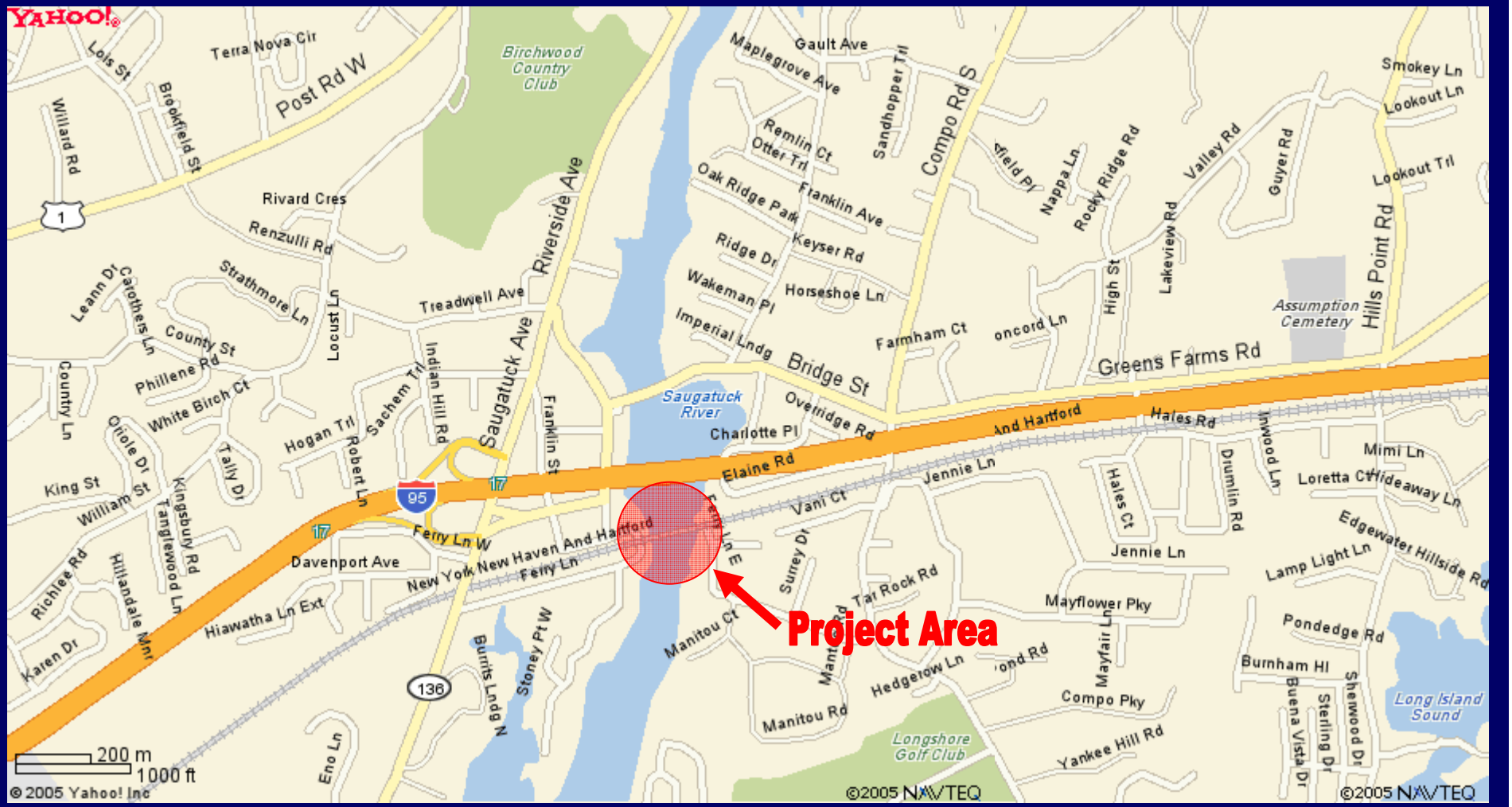
Metro North Railroad

New Haven Main Line

April 24, 2006

Project Location

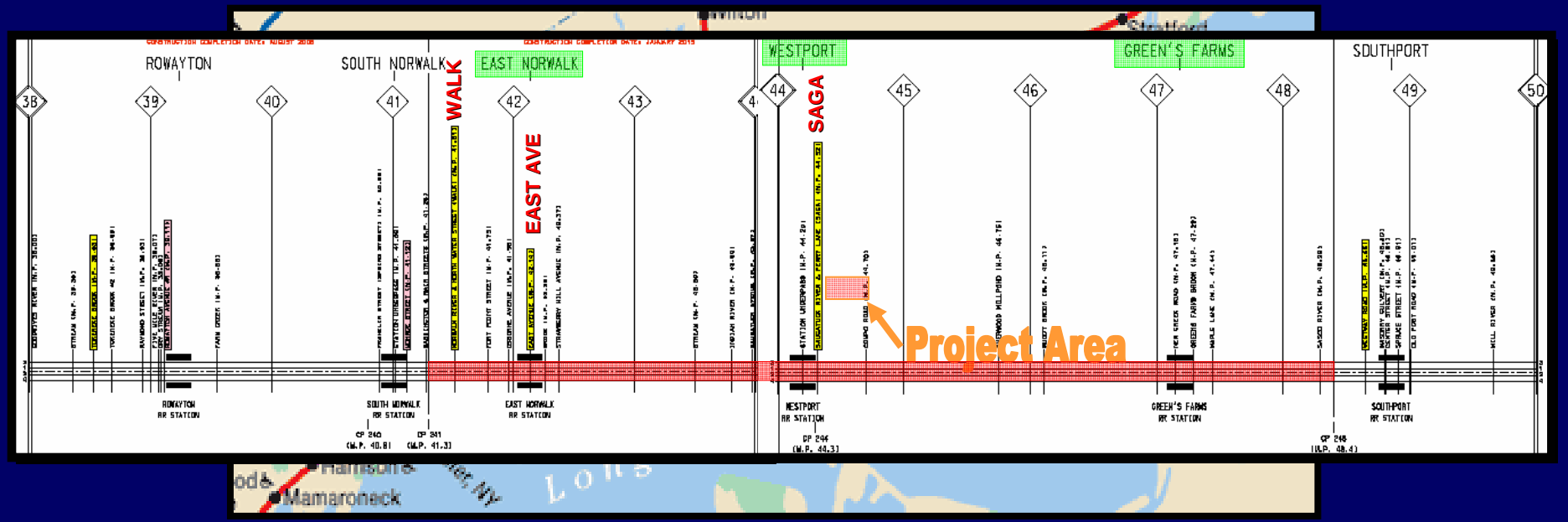
Metro-North Railroad Bridge over the Saugatuck River, Westport State Project No. 301-0040



Project Description

Metro-North Railroad Bridge over the Saugatuck River, Westport State Project No. 301-0040

- **Rehabilitation of The Metro-North Bridge over the Saugatuck River is part of larger project that includes:**
  - **Rehabilitation of seven miles of catenary power systems (C1A),**
  - **Rehabilitation of the Walk Bridge in Norwalk**
  - **Replacement of the East Avenue Bridge in Norwalk**



Bridge Description

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- **Metro-North Railroad Bridge over the Saugatuck River**
  - The six span bridge is 455 feet long and carries four (4) tracks
  - Span 3 is a 108’-6” rolling lift moveable span which opens to provide clearance for marine traffic.
  - Three (3) foot wide pedestrian walkway on south side of bridge.
  - Rail traffic on normal weekday schedule:
    - 36 eastbound Metro-North trains
    - 36 westbound Metro-North trains
    - 12 eastbound and 13 westbound AMTRAK trains
    - One freight line train eastbound and westbound

History of Bridge

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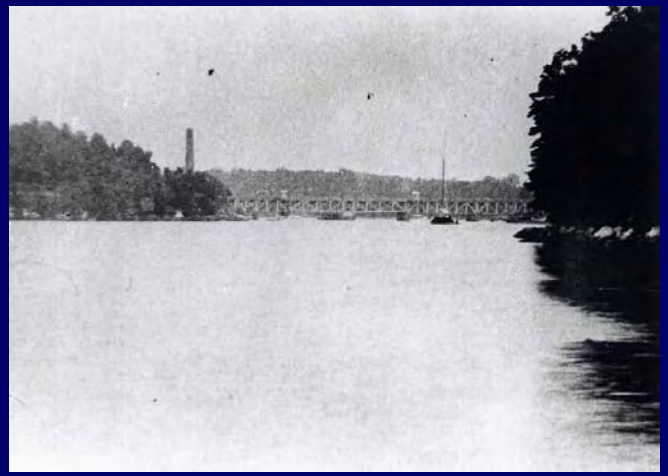

- In 1844 the New York and New Haven Railroad built first bridge at site.
- Original bridge was a two track swing bridge
- New York, New Haven and Hartford Railroad Company expanded shoreline route to four tracks from 1898 to 1908
- Present Saga Bridge built in 1905

Existing Conditions

Metro-North Railroad Bridge
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- Existing bridge exhibits deterioration of the steel in the superstructure and lower support steel of the movable span.
- Lower support steel gets submerged during high tide.

Existing Conditions

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- **Counterweight and portion of the moveable span is also submerged during openings.**

Existing Conditions

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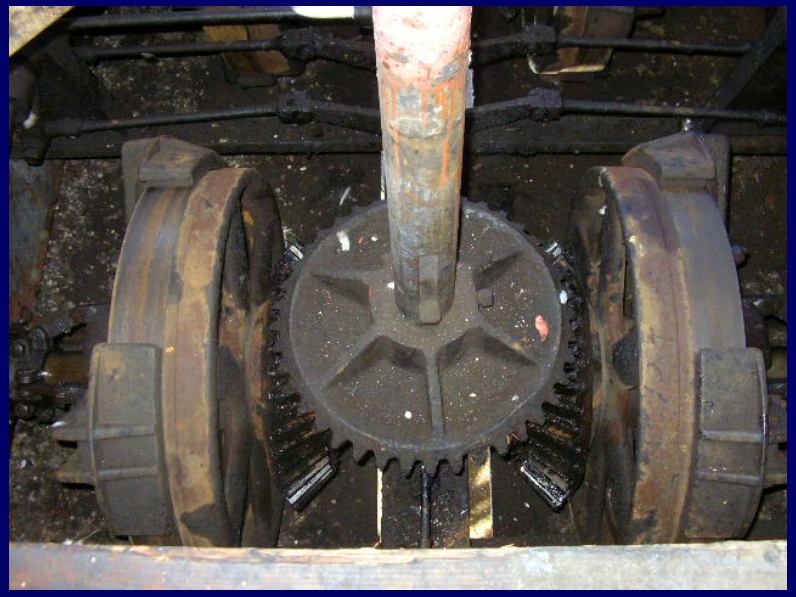
- **Existing drive system is old and difficult to maintain and operate.**



Existing Conditions

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- Major repairs have been made to the bridge over the 100+ years it has been in service.
- Past rehabilitation has included steel repairs on movable spans and support steel, bearings, segmental girder and rack girder.
- Steel sections have also been repaired as part of the ongoing maintenance repairs.

Proposed Rehabilitation

Metro-North Railroad Bridge
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- Replace the existing moveable spans
- Rehabilitate existing steel in approach spans
- Construct new operator's house and new drive system
- Construct new pedestrian walkway
- Replace existing fender system
- Replace the existing track (ties and rails) for the entire bridge

Proposed Rehabilitation

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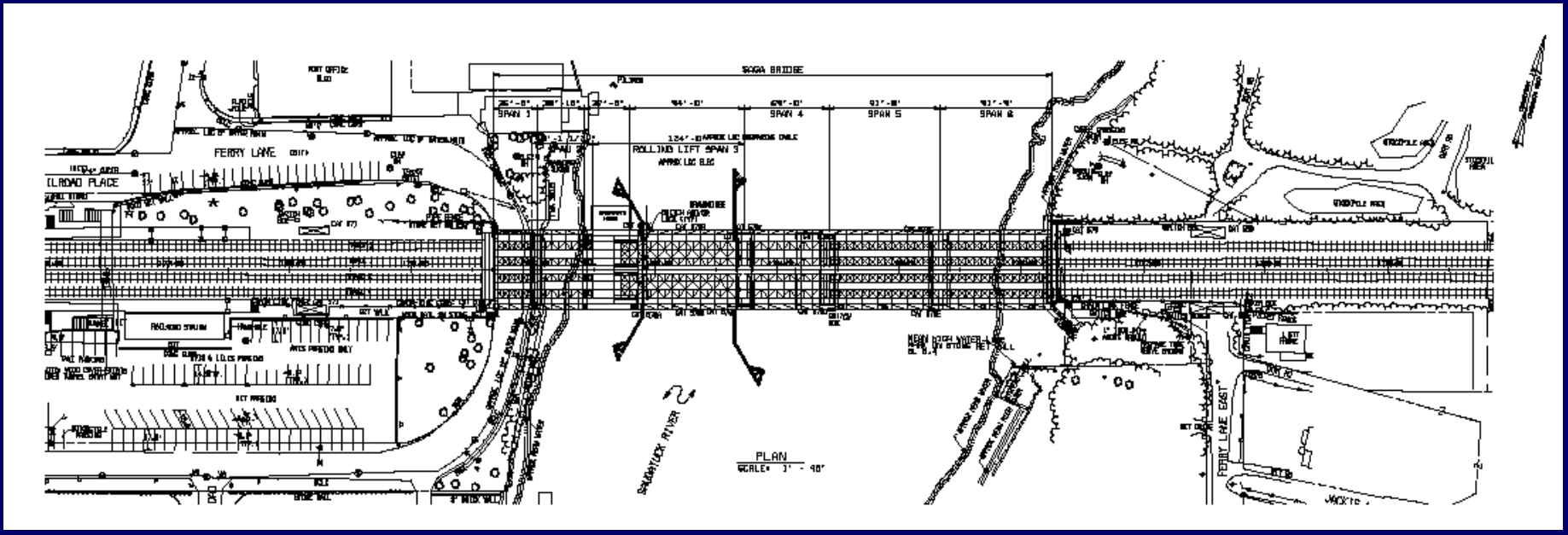
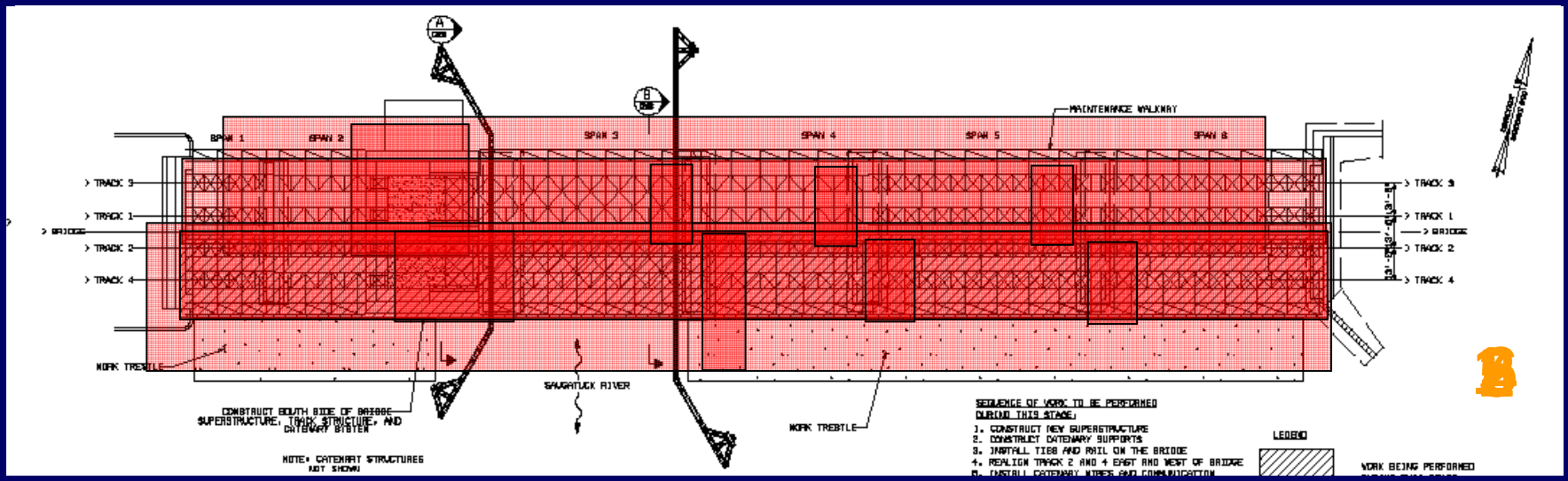
- **General Plan Showing Proposed Rehabilitation**



Construction Issues

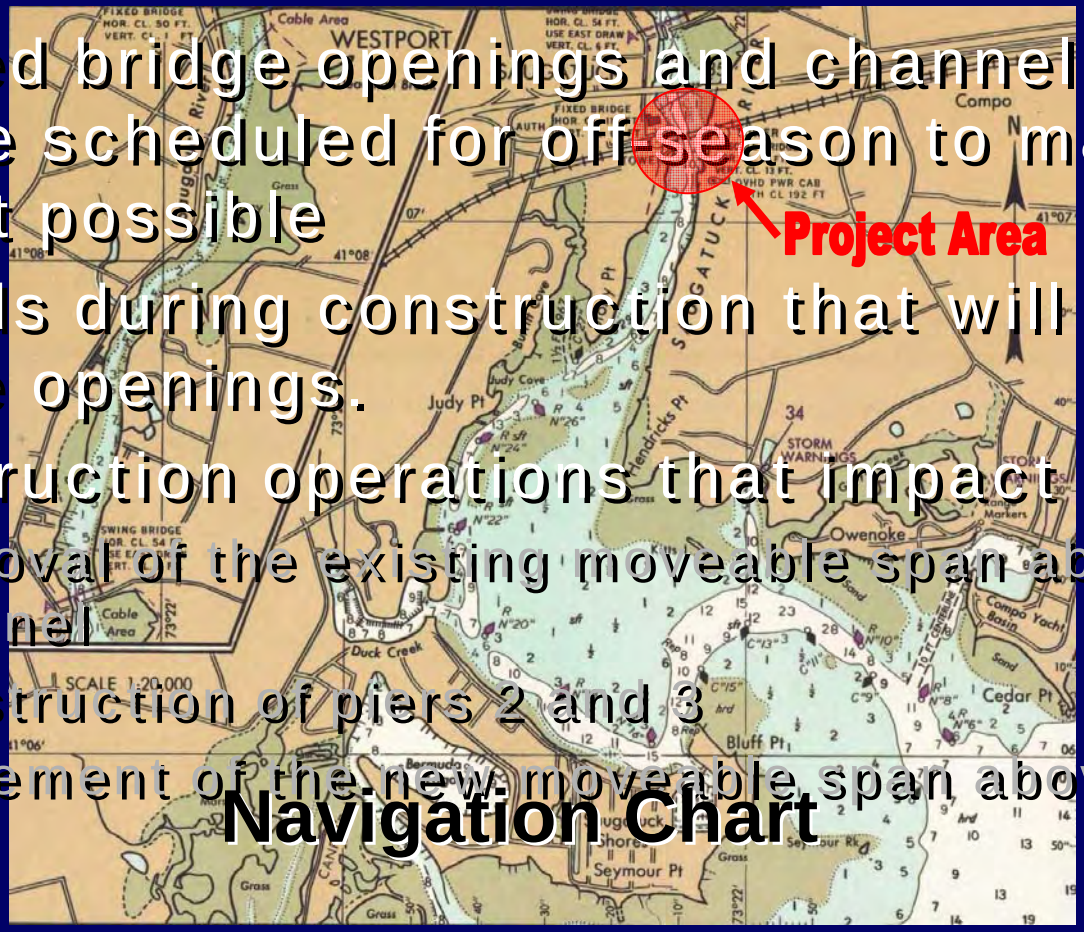
Metro-North Railroad Bridge over the Saugatuck River, Westport State Project No. 301-0040

- **Duration of proposed construction is approximately 4 years**
- **Projected Start - Spring 2010**
- **Construction to consist of two stages. Each stage will work on two tracks with the other two tracks open to train traffic.**



Construction Issues

- **Marine Traffic**
  - Limited bridge openings and channel closures will be scheduled for off-season to maximum extent possible
  - Periods during construction that will limit bridge openings.
  - Construction operations that impact channel:
    - Removal of the existing moveable span above channel
    - Construction of piers 2 and 3
    - Placement of the new moveable span above channel



Navigation Chart

Construction Issues

- **Pedestrian Walkway**
  - The new pedestrian walkway will remain on the south side of the bridge. A new access walkway will be constructed on the north side of the bridge for access to the operator's house.
  - The pedestrian walkway will be 5 feet wide.
  - During the construction of the south half of the bridge, there will be no pedestrian access on the bridge.
  - The new pedestrian walkway will have safety gates and video monitoring.
  - A safety fence will be constructed between the pedestrian walkway and the railroad tracks.

Construction Issues

- **Local Traffic - Ferry Lane**
  - Ferry Lane, directly under bridge, may be closed during off-peak times
  - Traffic along Ferry Lane will be one-way directional to account for peak commuting hours

Construction Issues

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- **Impact to Rail Service**
  - Seven miles of track will be restricted to two track operation between East Norwalk station to Green's Farm station
  - Temporary platforms will be required at East Norwalk, Westport and Green's Farm stations

Architectural Considerations

- **Operator's House**
  - Relocated to north side of tracks
- **Pedestrian Walkway**
  - Fencing
  - Railings

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